

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : A NATURAL AQUEOUS COMPOSITION AND A MACHINE
 FOR DRY CLEANING TEXTILES AND LEATHERS

 Inventors : Christian ELOY

10 Assignee :

ABSTRACT OF THE DISCLOSURE

15

 The present invention relates to an aqueous
composition for dry cleaning and/or degreasing textiles
and/or leathers, which composition is natural and
biodegradable. The dry cleaning composition of the
20 invention comprises in particular essential oils and
surface active agents, it is etherizable and
micronizable, and its ingredients are exclusively of
vegetable origin. The invention also relates to a method
of dry cleaning and/or degreasing textiles and/or
25 leathers implementing the above-described aqueous
composition, the method comprising a succession of stages
of tumbling the textiles and/or leathers in a leaktight
enclosure, wherein one of the stages consists in
impregnating the textiles and/or leathers with a small
30 quantity of an aqueous composition by means of pneumatic
atomization at a size no more than 50 μ m, for a limited
duration, and at a temperature of about 35° to 45°C,
until the total weight gain is about 5% to 70%. The
invention also relates to a machine for dry cleaning
35 and/or degreasing textiles and/or leathers by
implementing said method.